



Virginia Cyber Security Partnership



VIRGINIA CYBER SECURITY PARTNERSHIP

- The mission of the Virginia Cyber Security Partnership (VCSP) is to establish and maintain a **trusted community** of **public and private sector** cyber professionals. The Partnership leverages our collective experience and knowledge, promotes mutually beneficial information sharing and fosters professional development. This mission seeks to advance our nation's interests.



MISSION OBJECTIVES

- Skills Enhancement
- Risk Management Best Practices
- Threat Information Sharing
- Resource Development Pipeline
- Community Outreach



WHO ARE WE?



Dominion
It all starts here.®

NORTHROP GRUMMAN

J. Sargeant Reynolds
Community College



Capital One SM



e⁺

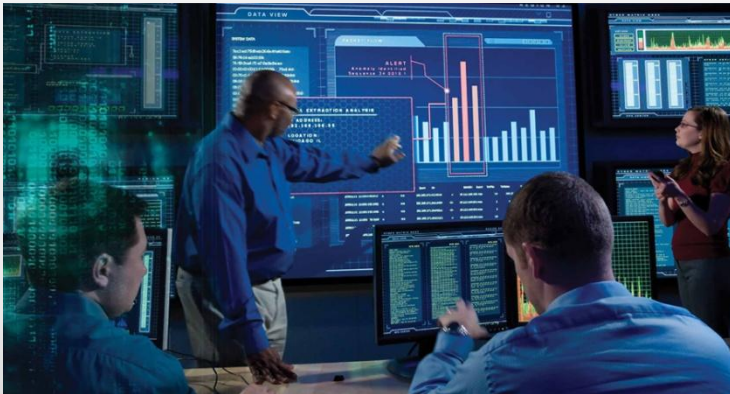


Deloitte.





CAREERS IN CYBER SECURITY





HOW DO CYBER JOBS COMPARE?

- Ninth Highest Paying Job in the US
 - Computer and Information Systems Manager
 - Avg. Starting Salary: \$59,221
 - Avg. Annual Salary: \$126,190
 - Median Personal Income with Bachelor's Degree: \$43,143
- Among Top 10 Jobs
 - Computer Programmer - #9
 - Computer Systems Analyst - #7
 - Web Developer - #6
 - Database Administrator - #5
 - Software Developer - #2

Source: cnbc.com/id/47984925/page/9

Source: money.usnews.com/money/careers/slideshows/the-10-best-jobs/11



20 Coolest Careers in Info Security

- #1 Information Security Crime Investigator/Forensics Expert
- #2 System, Network, and/or Web Penetration Tester
- #3 Forensic Analyst
- #4 Incident Responder
- #5 Security Architect
- #6 Malware Analyst
- #7 Network Security Engineer
- #8 Security Analyst
- #9 Computer Crime Investigator
- #10 CISO/ISO or Director of Security
- #11 Application Penetration Tester
- #12 Security Operations Center Analyst
- #13 Prosecutor Specializing in Information Security Crime
- #14 Technical Director and Deputy CISO
- #15 Intrusion Analyst
- #16 Vulnerability Researcher/ Exploit Developer
- #17 Security Auditor
- #18 Security-savvy Software Developer
- #19 Security Maven in an Application Developer Organization
- #20 Disaster Recovery/Business Continuity Analyst/Manager

Source: www.sans.org/20coolestcarrers/



CYBER SECURITY CAREERS

- Key Character Traits
 - Integrity, Leadership, Strong Work Ethic, Results Oriented
 - Teamwork and Collaboration
- Essential Skills
 - Critical Thinking, Time Management, Organization, Communication (Oral and Written), Analytical / Troubleshooting
- Career Paths
 - Risk Management
 - Policy, Strategy, Regulatory Compliance, Security Investigations
 - Threat and Incident Management
 - Security Operations
 - Perimeter Protection, Malware Protection, Technical Policy Enforcement
 - Cyber Security Operations Center Monitoring and Analysis



OPPORTUNITIES NOW

- AF National High School Cyber Defense Competition
 - www.uscyberpatriot.org
- DHS Scholarships, Fellowships, Internships and Training
 - <http://www.dhs.gov/student-opportunities-0>
- CSAW High School Cyber Forensics Challenge
 - www.poly.edu/csaw2012
- US Cyber Challenge – The Governors Cyber Challenge
 - www.technology.virginia.gov/CyberChallenge
- Maryland Cyber Challenge
 - www.fbcinc.com/e/cybermdconference/challenge
- Cyber Security Partnership Capture the Flag
 - Coming Soon!!



STAY CURRENT!!!!

- Dark Reading - <http://www.darkreading.com/>
- The Register - <http://www.theregister.co.uk/>
- Slash Dot - <http://slashdot.org/>
- CSO Online - <http://www.csoonline.com/>
- Wired - <http://www.wired.com/>
- Search Security - <http://searchsecurity.techtarget.com/>



WHAT CAN THE CSP DO FOR YOU

- Mentorship
- Training
- Letters of Recommendations
- Internship opportunities
- Job's after college
- Information on new technology



Tom Bowers
Chairman vCSP
484-797-8862
csp_info@mail.com